

SEQUENCE LISTING

<110> Aros Applied Biotechnology ApS

<120> Classification of Cancer

<130> 69167(302423)

<140> US 10/584,653

<141> 2006-06-27

<150> PCT/DK04/000914

<151> 2004-12-23

<150> PA 2004 01843

<151> 2004-11-26

<150> PA 2004 00586

<151> 2004-04-07

<150> PA 2004 00096

<151> 2004-01-24

<150> PA 2003 01940

<151> 2003-12-27

<160> 139

<170> PatentIn version 3.1

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<223> NM_002818.2| proteasome (prosome, macropain) activator subunit 2

(PA28 beta) (PSME2), mRNA

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

<220>

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2986

<212> DNA

<213> Homo sapiens

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<223> NM_000201.1| intercellular adhesion molecule 1 (CD54), human rhinovirus receptor (ICAM1), mRNA

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<223> NM_004492.1| general transcription factor IIA, 2 (12kD subunit)
(GTF2A2), mRNA

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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1577

<212> DNA

<213> Homo sapiens

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 (PHYH), mRNA

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<213> Homo sapiens

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 <223> NM_004739.2| metastasis-associated gene family, member 2 (MTA2),
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<211> 2407

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001091.1| amiloride binding protein 1 (amine oxidase (copper-containing)) (ABP1), mRNA

<400> 24

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<211> 1094

<212> DNA

<213> Homo sapiens

<220>

<223> NM_000712.3| biliverdin reductase A (BLVRA), mRNA

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1094

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<211> 5546

<212> DNA

<213> Homo sapiens

<220>

<223> NM_000933.2| phospholipase C, beta 4 (PLCB4), transcript variant 1, mRNA

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<212> DNA

<213> Homo sapiens

<220>

<223> NM_002416.1| chemokine (C-X-C motif) ligand 9 (CXCL9), mRNA

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<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<223> NM_005859.2| purine-rich element binding protein A (PURA), mRNA

<400> 28

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aagattgatc aaactgaatg aaacccccac acacacacac atgcatacac acacacacac	1080
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aaaa	1144

<210> 29

<211> 1575

<212> DNA

<213> Homo sapiens

<220>

<223> NM_014298.3| quinolinate phosphoribosyltransferase
(nicotinate-nucleotide pyrophosphorylase (carboxylating)) (QPRT), mRNA

<400> 29

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ctggcagccc tgggtggacag ctggctccga gaggactgcc cagggctcaa ctacgcagcc	180
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<210> 30

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<223> NM_004585.2| retinoic acid receptor responder
(tazarotene induced) 3 (RARRES3), mRNA

<400> 30

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<210> 31

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<223> NM_002984.1| chemokine (C-C motif) ligand 4 (CCL4), mRNA

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ccaatgggct	240
cgcaactttg	300
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tacgtgtatg	420
cacctgagcc	480
gcagttcctg	540
gtcattttcca	600
ctgtcactgt	660
ccataataaa	696

<210> 32

<211> 3338

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001455.2| forkhead box O3A (FOXO3A), transcript variant 1,
mRNA

<400> 32

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<210> 33

<211> 2646

<212> DNA

<213> Homo sapiens

<220>

<223> NM_152873.1| tumor necrosis factor receptor superfamily,
member 6 (TNFRSF6), transcript variant 4, mRNA

<400> 33

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aaaaaa	2646

<210> 34

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<223> NM_002038.2| interferon, alpha-inducible protein (clone IFI-6-16) (G1P3), transcript variant 1, mRNA

<400> 34

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<210> 35

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001565.1| chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA

<400> 35

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<210> 36

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<223> NM_005950.1| metallothionein 1G (MT1G), mRNA

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<210> 37

<211> 2755

<212> DNA

<213> Homo sapiens

<220>

<223> NM_000043.3| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 1, mRNA

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<210> 38

<211> 1600

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001953.2| endothelial cell growth factor 1 (platelet-derived)
(ECGF1), mRNA

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<210> 39

<211> 931

<212> DNA

<213> Homo sapiens

<220>

<223> NM_005138.1| SCO cytochrome oxidase deficient homolog 2 (yeast) (SCO2), nuclear gene encoding mitochondrial protein, mRNA

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931

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<211> 1216

<212> DNA

<213> Homo sapiens

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<223> NM_006419.1| chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) (CXCL13), mRNA

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<211> 738

<212> DNA

<213> Homo sapiens

<220>

<223> NM_006433.2| granulysin (GNLY), transcript variant NKG5, mRNA

<400> 41

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<211> 1579

<212> DNA

<213> Homo sapiens

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<223> NM_001767.2| CD2 antigen (p50), sheep red blood cell receptor (CD2), mRNA

<400> 42

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<210> 43

<211> 3738

<212> DNA

<213> Homo sapiens

<220>

<223> NM_006275.4| splicing factor, arginine/serine-rich 6 (SFRS6), mRNA

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<211> 2033

<212> DNA

<213> Homo sapiens

<220>

<223> NM_003212.1| teratocarcinoma-derived growth factor 1 (TDGF1), mRNA

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<211> 367

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<213> Homo sapiens

<220>

<223> NM_005951.1| metallothionein 1H (MT1H), mRNA

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<210> 46

<211> 3052

<212> DNA

<213> Homo sapiens

<220>

<223> NM_000767.4| cytochrome P450, family 2, subfamily B, polypeptide 6 (CYP2B6), mRNA

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<213> Homo sapiens

<220>

<223> NM_003811.2| tumor necrosis factor (ligand) superfamily, member 9 (TNFSF9), mRNA

<400> 47

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> NM_004602.1| staufer, RNA binding protein (Drosophila) (STAU), transcript variant T4, mRNA

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<213> Homo sapiens

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<211> 3248

<212> DNA

<213> Homo sapiens

<220>

<223> NM_007236.3| calcium binding protein P22 (CHP), mRNA

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<211> 4568

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<213> Homo sapiens

<220>

<223> NM_012408.3| protein kinase C binding protein 1 (PRKCBP1), transcript variant 2, mRNA

<400> 57

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<211> 2069

<212> DNA

<213> Homo sapiens

<220>

<223> NM_003270.2| transmembrane 4 superfamily member 6 (TM4SF6), mRNA

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<210> 59

<211> 2402

<212> DNA

<213> Homo sapiens

<220>

<223> NM_021200.1| plectstrin homology domain containing, family B (evectins) member 1 (PLEKHB1), mRNA

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<211> 2856

<212> DNA

<213> Homo sapiens

<220>

<223> NM_003661.2| apolipoprotein L, 1 (APOL1), transcript variant 1, mRNA

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 <223> NM_002164.3| indoleamine-pyrrole 2,3 dioxygenase (INDO), mRNA

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<211> 2242

<212> DNA

<213> Homo sapiens

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<223> NM_021784.3| forkhead box A2 (FOXA2), transcript variant 1, mRNA

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<211> 1047

<212> DNA

<213> Homo sapiens

<220>

<223> NM_033423.2| granzyme H (cathepsin G-like 2, protein h-CCPX) (GZMH), mRNA

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<210> 64

<211> 5243

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001165.3| baculoviral IAP repeat-containing 3 (BIRC3), transcript variant 1, mRNA

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<210> 65

<211> 3850

<212> DNA

<213> Homo sapiens

<220>

<223> NM_005682.4| G protein-coupled receptor 56 (GPR56), transcript variant 1, mRNA

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<212> DNA

<213> Homo sapiens

<220>

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372

<210> 67

<211> 4180

<212> DNA

<213> Homo sapiens

<220>

<223> NM_015002.1| F-box protein 21 (FBX021), transcript variant 2,
mRNA

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<210> 68

<211> 6276

<212> DNA

<213> Homo sapiens

<220>

<223> NM_012156.2| erythrocyte membrane protein band 4.1-like 1 (EPB41L1), transcript variant 1, mRNA

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<213> Homo sapiens

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<213> Homo sapiens

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<210> 74

<211> 2201

<212> DNA

<213> Homo sapiens

<220>

<223> NM_005520.1| heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1), mRNA

<400> 74

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2201

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<211> 1895

<212> DNA

<213> Homo sapiens

<220>

<223> NM_004046.4| ATP synthase, H⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle (ATP5A1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA

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<211> 1290

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001970.3| eukaryotic translation initiation factor 5A (EIF5A), mRNA

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<210> 77

<211> 2512

<212> DNA

<213> Homo sapiens

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<223> NM_005041.3| perforin 1 (pore forming protein) (PRF1), mRNA

<400> 77

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<211> 4623

<212> DNA

<213> Homo sapiens

<220>

<223> NM_014965.2| OGT(O-Glc-NAc transferase)-interacting protein 106
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<400> 78

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<211> 2657

<212> DNA

<213> Homo sapiens

<220>

<223> NM_017895.6| DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 (DDX27), mRNA

<400> 79

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<212> DNA

<213> Homo sapiens

<220>

<223> NM_018206.3| vacuolar protein sorting 35 (yeast) (VPS35), mRNA

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 <223> NM_017583.3| tripartite motif-containing 44 (TRIM44), mRNA

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<211> 4930

<212> DNA

<213> Homo sapiens

<220>

<223> NM_020182.3| transmembrane, prostate androgen induced RNA (TMEPAI), transcript variant 1, mRNA

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<210> 83

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<223> NM_014183.2| dynein, cytoplasmic, light polypeptide 2A (DNCL2A), transcript variant 1, mRNA

<400> 83

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<210> 84

<211> 2100

<212> DNA

<213> Homo sapiens

<220>

<223> NM_015907.2| leucine aminopeptidase 3 (LAP3), mRNA

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gcgccccgcc	accgctctcc
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<210> 85

<211> 1510

<212> DNA

<213> Homo sapiens

<220>

<223> NM_018478.1| chromosome 20 open reading frame 35 (C20orf35), mRNA

<400> 85

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aaaaaaaaaa						1510

<210> 86

<211> 3105

<212> DNA

<213> Homo sapiens

<220>

<223> NM_030674.2| solute carrier family 38, member 1 (SLC38A1), mRNA

<400> 86

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<210> 87

<211> 2711

<212> DNA

<213> Homo sapiens

<220>

<223> NM_016028.4| suppressor of variegation 4-20 homolog 1
(Drosophila) (SUV420H1), transcript variant 2, mRNA

<400> 87

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<213> Homo sapiens

<220>

<223> NM_022105.2| death associated transcription factor 1 (DATF1), transcript variant 1, mRNA

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<211> 1047

<212> DNA

<213> Homo sapiens

<220>

<223> NM_018487.2| hepatocellular carcinoma-associated antigen 112 (HCA112), mRNA

<400> 89

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<211> 2785

<212> DNA

<213> Homo sapiens

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<211> 3802

<212> DNA

<213> Homo sapiens

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<223> NM_017763.1| hypothetical protein FLJ20315 (FLJ20315), mRNA

<400> 91

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<211> 1236

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<213> Homo sapiens

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<223> NM_017918.3| hypothetical protein FLJ20647 (FLJ20647), mRNA

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<210> 93

<211> 2096

<212> DNA

<213> Homo sapiens

<220>

<223> NM_024792.1| membrane protein expressed in epithelial-like lung adenocarcinoma (CT120), mRNA

<400> 93
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<210> 94

<211> 4372

<212> DNA

<213> Homo sapiens

<220>

<223> NM_014314.2| DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA

<400> 94

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<210> 95

<211> 2163

<212> DNA

<213> Homo sapiens

<220>

<223> NM_015515.3| keratin 23 (histone deacetylase inducible) (KRT23), transcript variant 1, mRNA

<400> 95

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<210> 96

<211> 2881

<212> DNA

<213> Homo sapiens

<220>

<223> NM_007210.2| UDP-N-acetyl-alpha-D-galactosamine:polypeptide
N-acetylgalactosaminyltransferase 6 (GalNAc-T6) (GALNT6), mRNA

<400> 96

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<210> 97

<211> 1930

<212> DNA

<213> Homo sapiens

<220>

<223> NM_020183.3| aryl hydrocarbon receptor nuclear translocator-like 2 (ARNTL2), mRNA

<400> 97

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<212> DNA

<213> Homo sapiens

<220>

<223> NM_014576.2| apobec-1 complementation factor (ACF), transcript variant 1, mRNA

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<220>

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<220>

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<210> 102

<211> 2368

<212> DNA

<213> Homo sapiens

<220>

<223> NM_017903.2| hypothetical protein FLJ20618 (FLJ20618), mRNA

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<210> 103

<211> 2577

<212> DNA

<213> Homo sapiens

<220>

<223> nm_003011.1 SET translocation (myeloid leukaemia-associated)

<400> 103

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<210> 104

<211> 7577

<212> DNA

<213> Homo sapiens

<220>

<223> XM_030577.9| PREDICTED: ATPase, Class II, type 9A (ATP9A), mRNA

<400> 104

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<210> 105

<211> 1672

<212> DNA

<213> Homo sapiens

<220>

<223> NM_004503.2| homeo box C6 (HOXC6), transcript variant 1, mRNA

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<211> 3394

<212> DNA

<213> Homo sapiens

<220>

<223> NM_004764.2| piwi-like 1 (Drosophila) (PIWIL1), mRNA

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<211> 2524

<212> DNA

<213> Homo sapiens

<220>

<223> NM_000249.2| mutL homolog 1, colon cancer, nonpolyposis type 2
(E. coli) (MLH1), mRNA

<400> 107

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<211> 2928

<212> DNA

<213> Homo sapiens

<220>

<223> NM_001313.2| collapsin response mediator protein 1 (CRMP1), mRNA

<400> 108

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<211> 1609

<212> DNA

<213> Homo sapiens

<220>
 <223> NM_002145.2| homeo box B2 (HOXB2), mRNA

<400> 109
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<210> 110

<211> 3262

<212> DNA

<213> Homo sapiens

<220>

<223> NM_002860.2| aldehyde dehydrogenase 18 family, member A1 (PYCS/ALDH18A1), mRNA

<400> 110

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<210> 111

<211> 2899

<212> DNA

<213> Homo sapiens

<220>

<223> NM_005655.1| TGFB inducible early growth response (TIEG), mRNA

<400> 111

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<210> 112

<211> 3138

<212> DNA

<213> Homo sapiens

<220>

<223> NM_018223.1| checkpoint with forkhead and ring finger domains (CHFR), mRNA

<400> 112

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<211> 2466

<212> DNA

<213> Homo sapiens

<220>

<223> NM_024645.1| hypothetical protein FLJ13842 (FLJ13842), mRNA

<400> 113

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<211> 3010

<212> DNA

<213> Homo sapiens

<220>

<223> NM_145343.1| apolipoprotein L, 1 (APOL1), transcript variant 2, mRNA

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<211> 2759

<212> DNA

<213> Homo sapiens

<220>

<223> NM_080796.1| death associated transcription factor 1 (DATF1), transcript variant 2, mRNA

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<211> 781

<212> DNA

<213> Homo sapiens

<220>

<223> NM_177953.1| dynein, cytoplasmic, light polypeptide 2A (DNCL2A), transcript variant 2, mRNA

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<210> 123

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<223> NM_022873.1| interferon, alpha-inducible protein (clone IFI-6-16) (G1P3), transcript variant 3, mRNA

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<210> 124

<211> 4652

<212> DNA

<213> Homo sapiens

<220>

<223> NM_183047.1| protein kinase C binding protein 1 (PRKCBP1), transcript variant 1, mRNA

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<212> DNA

<213> Homo sapiens

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<223> NM_199169.1| transmembrane, prostate androgen induced RNA (TMEPAI), transcript variant 2, mRNA

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<212> DNA

<213> Homo sapiens

<220>

<223> NM_199170.1| transmembrane, prostate androgen induced RNA (TMEPAI), transcript variant 3, mRNA

<400> 128

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<210> 129

<211> 2692

<212> DNA

<213> Homo sapiens

<220>

<223> NM_152871.1| tumor necrosis factor receptor superfamily,
member 6 (TNFRSF6), transcript variant 2, mRNA

<400> 129

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<210> 130

<211> 2730

<212> DNA

<213> Homo sapiens

<220>

<223> NM_152872.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 3, mRNA

<400> 130

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<211> 2563

<212> DNA

<213> Homo sapiens

<220>

<223> NM_152874.1| tumor necrosis factor receptor superfamily, member 6 (TNFRSF6), transcript variant 8, mRNA

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<223> NM_152876.1| tumor necrosis factor receptor superfamily,
member 6 (TNFRSF6), transcript variant 6, mRNA

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<213> Homo sapiens

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member 6 (TNFRSF6), transcript variant 5, mRNA

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